

U.S. Appl. No. 09/271,502
 Reply to Office Action dated September 30, 2005

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IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) A recording/reproducing apparatus incorporating an image pickup means for generating a picked-up-image signal, the recording/reproducing apparatus comprising:

first signal processing means for compressing an image signal to conform to a first predetermined format and decompressing image data of said first predetermined format;

first writing means for writing image data which is compressed by said first signal processing means ~~the picked-up-image signal~~ on a first removable recording medium;

reading means for reading an the image data signal from said first recording medium;

second signal processing means for compressing the decompressed image data by said first signal processing means to conform to a second predetermined format;

second writing means for writing image data which is compressed by said second signal processing means on a second removable recording medium; ~~the image signal read by said reading means on a second removable recording medium while said first and second recording media are concurrently connected to the recording/reproducing apparatus incorporating said image pickup means;~~

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control means for controlling recording/reproducing and data transfer between
said first and second recording mediums while connected to the recording/reproducing apparatus
incorporating said image pickup means; and

selecting means for allowing a user to select the transferred image data,
wherein, while the image data is transferred from said first recording medium to
said second recording medium, selected image data by said selecting means is read from said
first recording medium and decompressed by said first signal processing means and compressed
by said second signal processing means and written on said second recording medium by said
second writing means, either one image signal for recording or collective downloading of a
plurality of image signals;

~~wherein when said collective downloading is selected by said user, it is~~
~~determined whether or not said second removable recording medium has available storage~~
~~capacity for storing said plurality of image signals.~~

2. (Original) A recording/reproducing apparatus according to claim 1, further
comprising
identification-information detecting means for detecting identification information
of the image signal read from said first recording medium, wherein
said control means performs control in accordance with detected identification
information.

3. (Previously Presented) A recording/reproducing apparatus according to claim
1, further comprising identification-information recording means for recording identification

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information together with the picked-up-image signal on said first recording medium when the picked-up-image signal is recorded on said first recording medium as a still image, and

identification-information detecting means for detecting identification information of the image signal read from said first recording medium, wherein

said control means controls said second writing means to write the image signal read by said reading means on said second recording medium only when identification information has been detected by said identification-information detecting means.

4. (Original) A recording/reproducing apparatus according to claim 1, wherein said control means performs control to cause said reading means to collectively read image signals and said second writing means to collectively write the image signals on said second recording medium.

5. (Previously Presented) A recording/reproducing apparatus according to claim 1, wherein said second writing means is able to write the picked-up-image signal on said second recording medium.

6. (Previously Presented) A recording/reproducing apparatus according to claim 5, wherein said recording/reproducing apparatus has an all-pixel reading mode in which said image pickup means generates a picked-up-image signal by reading all pixels and an interlace reading mode in which said image pickup means generates a picked-up-image signal by interlaced-reading, and

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when said picked-up-image signal is written on said second recording medium by said second writing means, said all-pixel reading mode is forcibly selected.

7. (Original) A recording/reproducing apparatus according to claim 1, wherein said first recording medium is a tape-shape recording medium.

8. (Original) A recording/reproducing apparatus according to claim 1, wherein said second recording medium is a disc.

9. (Original) A recording/reproducing apparatus according to claim 1, wherein said second recording medium is a memory card.

10. (Original) A recording/reproducing apparatus according to claim 1, wherein said control means is able to switch the mode between a first mode in which said reading means collectively reads image signals and said second writing means collectively writes the read image signals on said second recording medium and a second mode in which said reading means reads image signals one by one and said second writing means, one by one, writes the read image signals on said second recording medium.

11. (Original) A recording/reproducing apparatus according to claim 1, wherein said control means causes said second writing means to interrupt writing an image signal on said second recording medium when said second recording medium is filled to capacity and communicates that said second recording medium has been filled to capacity.

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12. (Original) A recording/reproducing apparatus according to claim 11, wherein said control means causes said second writing means to restart writing when said second recording medium has been changed in a state in which writing on said second recording medium has been interrupted because said second recording medium has been filled to capacity and said changed second recording medium has an empty capacity.

13. (Currently Amended) A recording/reproducing apparatus incorporating an image pickup means for generating a picked-up-image signal, the recording/reproducing apparatus comprising:

first signal processing means for compressing an image signal to conform to a first predetermined format and decompressing image data of said first predetermined format;

first writing means for writing image data which is compressed by said first signal processing means ~~the picked-up image signal~~ on a first removable recording medium;

reading means for reading an image data signal ~~from said first recording medium;~~

second signal processing means for compressing the decompressed image data by said first signal processing means to conform to a second predetermined format;

converting means for subjecting the signal read by said reading means to a predetermined conversion process;

second writing means for writing image data which is compressed by said second signal processing means on a second removable recording medium; ~~the image signal supplied from said reading means and converted by said converting means on a second removable~~

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~~recording medium while said first and second recording media are concurrently connected to the
recording/reproducing apparatus incorporating said image pickup means;~~

control means for controlling recording/reproducing and data transfer between
said first and second recording mediums while connected to the recording/reproducing apparatus
incorporating said image pickup means; and

selecting means for allowing a user to select the transferred image data,

wherein, while the image data is transferred from said first recording medium to
said second recording medium, selected image data by said selecting means is read from said
first recording medium and decompressed by said first signal processing means and compressed
by said second signal processing means and written on said second recording medium by said
second writing means. either one image signal for recording or collective downloading of a
plurality of image signals;

~~wherein when said collective downloading is selected by said user, it is
determined whether or not said second removable recording medium has available storage
capacity for storing said plurality of image signals.~~

14. (Previously Presented) A recording/reproducing apparatus according to claim 13, wherein said converting means converts the image signal read by said first reading means to be adaptable to a Personal Computer Memory Card Internal Association Input/Output (PCMCIA I/O) or PCMCIA AT Attachment Interface (ATA I/F) to supply the converted image signal to said second writing means.

15-36. (Canceled)

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37. (Currently Amended) A recording/reproducing method adaptable to an image pickup apparatus incorporated within a recording/reproducing apparatus for generating a picked-up-image signal, said recording/reproducing apparatus having first and second removable recording mediums, said recording/reproducing method comprising:

a first signal processing step for compressing an image signal to conform to a first predetermined format and decompressing image data of said first predetermined format;

a first writing step for writing image data which is compressed by said first signal processing step ~~a picked-up image signal~~ on said first recording medium;

a reading step for reading the an-image data signal from said first recording medium;

a second signal processing step for compressing the decompressed image data by said first signal processing means to conform to a second predetermined format;

a second writing step for writing image data which is compressed by said second signal processing step on a second removable recording medium; ~~the image signal read in said reading step on said second recording medium while said first and second recording media are concurrently connected to the image pickup apparatus incorporated within said recording/reproducing apparatus;~~

a controlling step for controlling recording/reproducing and data transfer between said first and second recording mediums while connected to the image pickup apparatus incorporated within said recording/reproducing apparatus; ~~whereby~~

wherein said controlling step is implemented by said recording/reproducing apparatus; and

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a selecting step for allowing a user to select the transferred image data,
wherein, while the image data is transferred from said first recording medium to
said second recording medium, selected image data by said selecting step is read from said first
recording medium and decompressed by said first signal processing step and compressed by said
second signal processing step and written on said second recording medium by said second
writing step. either one image signal for recording or collective downloading of a plurality of
image signals;

~~wherein when said collective downloading is selected by said user, it is~~
~~determined whether or not said second removable recording medium has available storage~~
~~capacity for storing said plurality of image signals.~~

38. (Original) A recording/reproducing method according to claim 37, further
comprising

a detecting step for detecting identification information of the image signal read
from said first recording medium, wherein

said second writing step is performed only when identification information has
been detected in said detecting step.

39. (Original) A recording/reproducing method according to claim 37, wherein
mode switch is permitted between a first mode in which image signals are collectively read in
said reading step and the read image signals are collectively written on said second recording
medium in said second writing step and a second mode in which image signals are read one by

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one in said reading step and the read image signals are, one by one, written on said second recording medium in said second writing step.

40. (Original) A recording/reproducing method according to claim 37, wherein said second writing step is interrupted when said second recording medium is filled to capacity in said second writing step and a fact that said second recording medium has been filled to capacity is communicated.

41. (Previously Presented) A recording/reproducing method according to claim 40, wherein writing which is performed in said second writing step is restarted when said second recording medium has been changed in a state in which writing on said second recording medium has been interrupted because said second recording medium has been filled to capacity and said changed second recording medium has an empty capacity.

42. (Currently Amended) A recording/reproducing method adaptable to an image pickup apparatus incorporated within a recording/reproducing apparatus for generating a picked-up-image signal, said recording/reproducing apparatus having first and second removable recording mediums, said recording/reproducing method comprising:

a first signal processing step for compressing an image signal to conform to a first predetermined format and decompressing image data of said first predetermined format;

a first writing step for writing image data which is compressed by said first signal processing step ~~a picked-up image signal~~ on said first recording medium;

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a reading step for reading ~~an~~ the image data signal from said first recording medium;

a second signal processing step for compressing the decompressed image data by said first signal processing step to conform to a second predetermined format;

a converting step for subjecting the signal read in said reading step to a predetermined conversion process;

a second writing step for writing image data which is compressed by said second signal processing step on a second removable recording medium; ~~the image signal read in said reading step and converted in said converting step on said second recording medium while said first and second recording media are concurrently connected to the image pickup apparatus incorporated within said recording/reproducing apparatus;~~

a controlling step for controlling recording/reproducing and data transfer between said first and second recording mediums while connected to the image pickup apparatus incorporated within said recording/reproducing apparatus; ~~and~~

~~whereby wherein~~ said controlling step is implemented by said recording/reproducing apparatus; and

a selecting step for allowing a user to select the transferred image data,

wherein, while the image data is transferred from said first recording medium to said second recording medium, selected image data by said selecting step is read from said first recording medium and decompressed by said first signal processing step and compressed by said second signal processing step and written on said second recording medium by said second writing step. ~~either one image signal for recording or collective downloading of a plurality of image signals;~~

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~~wherein when said collective downloading is selected by said user, it is determined whether or not said second removable recording medium has available storage capacity for storing said plurality of image signals.~~

43. (Previously Presented) A recording/reproducing method according to claim 42, wherein said converting step is performed such that the image signal read in said first reading step is converted to be adaptable a Personal Computer Memory Card Internal Association Input/Output (PCMCIA I/O) or PCMCIA AT Attachment Interface (ATA I/F).

44-53. (Canceled)

54. (Currently Amended) A recording/reproducing apparatus incorporating an image pickup means for generating a picked-up-image signal, the recording/reproducing apparatus comprising:

first signal processing means for compressing an image signal to conform to a first predetermined format and decompressing image data of said first predetermined format;

writing means for writing image data which is compressed by said first signal processing means ~~the picked-up image signal~~ on a first removable recording medium;

reading means for reading an the image data signal from said first recording medium;

removable writing means for writing image data which is compressed by said second signal processing means on a second removable recording medium; ~~the image signal read by said reading means on a second removable recording medium while said first and second~~

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~~recording media are concurrently connected to the recording/reproducing apparatus~~

~~incorporating said image pickup means;~~

control means for controlling recording/reproducing and data transfer between
said first and second recording mediums while connected to the recording/reproducing apparatus
incorporating said image pickup means; and

selecting means for allowing a user to select the transferred image data,

wherein, while the image data is transferred from said first recording medium to
said second recording medium, selected image data by said selecting means is read from said
first recording medium and decompressed by said first signal processing means and compressed
by said second signal processing means and written on said second recording medium by said
second writing means, either one image signal for recording or collective downloading of a
plurality of image signals;

~~wherein when said collective downloading is selected by said user, it is~~
~~determined whether or not said second removable recording medium has available storage~~
~~capacity for storing said plurality of image signals.~~

55. (New) A recording/reproducing apparatus according to claim 1, wherein said
selecting means allows a user to select either one image data for recording or collective
downloading of a plurality of image data.

56. (New) A recording/reproducing apparatus according to claim 55, wherein
when said collective downloading is selected by said user, it is determined whether said second

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removable recording medium has available storage capacity for storing said plurality of image data.

57. (New) A recording/reproducing apparatus according to claim 1, wherein said second removable recording medium and the compressed image data by said second signal processing means are available in a personal computer system.

58. (New) A recording/reproducing apparatus according to claim 13, wherein said selecting means allows a user to select either one image data for recording or collective downloading of a plurality of image data.

59. (New) A recording/reproducing apparatus according to claim 58, wherein when said collective downloading is selected by said user, it is determined whether or not said second removable recording medium has available storage capacity for storing said plurality of image data.

60. (New) A recording/reproducing apparatus according to claim 13, wherein said second removable recording medium and the compressed image data by said second signal processing means are available in a personal computer system.

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61. (New) A recording/reproducing method according to claim 37, wherein said selecting step allows a user to select either one image data for recording or collective downloading of a plurality of image data.

62. (New) A recording/reproducing method according to claim 61, wherein when said collective downloading is selected by said user, it is determined whether or not said second removable recording medium has available storage capacity for storing said plurality of image data.

63. (New) A recording/reproducing method according to claim 37, wherein said second removable recording medium and the compressed image data are available in a personal computer system.

64. (New) A recording/reproducing method according to claim 42, wherein said selecting step allows a user to select either one image data for recording or collective downloading of a plurality of image data.

65. (New) A recording/reproducing method according to claim 64, wherein when said collective downloading is selected by said user, it is determined whether or not said second removable recording medium has available storage capacity for storing said plurality of image data.

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66. (New) A recording/reproducing apparatus according to claim 42, wherein said second removable recording medium and the compressed image data by said second signal processing means are available in a personal computer system.

67. (New) A recording/reproducing apparatus according to claim 54, wherein said selecting means allows a user to select either one image data for recording or collective downloading of a plurality of image data.

68. (New) A recording/reproducing apparatus according to claim 67, wherein when said collective downloading is selected by said user, it is determined whether or not said second removable recording medium has available storage capacity for storing said plurality of image data.

69. (New) A recording/reproducing apparatus according to claim 54, wherein said second removable recording medium and the compressed image data by said second signal processing means are available in a personal computer system.